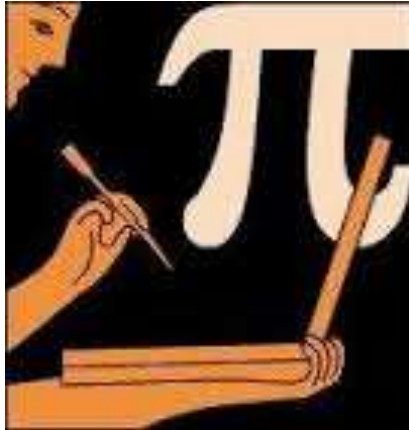




# MATH 042

## Pre-Calculus II - TRIG

F15



**Prof.** **G. V. KRESTAS**

Section: 27 TR 4:00 - 6:15 E33

Office : S75c  
Office Hour: MW 12:30 – 1:20; TR: 3:00 - 3:50  
Units : 5.0

Phone: (408) 864-8574  
e-mail : [krestasGeorge@fhda.edu](mailto:krestasGeorge@fhda.edu)  
Website [profgyk.weebly.com](http://profgyk.weebly.com)

**COURSE OBJECTIVES:** Application of trigonometric functions, trigonometric identities, graphs of trigonometric functions and converting between polar and rectangular coordinates. Emphasis on the development of models of real world applications and interpretation of their characteristics.

## Student Learning Outcomes

Formulate, construct, and evaluate trigonometric models to analyze periodic phenomena, identities, and geometric applications.

## Course Structure

Five hours lecture (60 hours total per quarter). This is an intensive and fast moving course, requiring lot of practice for successful completion.

## Advisory

English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.

## Prerequisites

Qualifying score on the Math placement test within last calendar year; or Mathematics 114 or equivalent with a grade of C or better.



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Text : *Precalculus with Limits, Larson 2<sup>nd</sup> Edition*

## Attendance

**You must come to class prepared and on time!** Regular and punctual attendance is expected. Entering the classroom late or leaving before the class is dismissed, besides being rude and inconsiderate behavior for those present, **it disrupts the learning process.** Therefore, late arriving students or those leaving the class at will may not be able to enter/re-enter until the break. They will be marked as absent and and/or will be penalized accordingly (see "Sanctions" below). Therefore, the class-door will be locked, and it will not open until the break. Therefore:

1. Be on time and take care of your physical needs before entering the classroom.
2. Turn-off your phone and other entertainment equipment before entering the classroom.
3. Graded materials are not kept for late pick-up; they are left in the classroom.
4. Late work will not be accepted, except for verifiable medical reasons.
5. A large portion of each class will be used for problem-solving. You are expected to participate in all class activities.
6. If you can not take the final on the date and time assigned by the college (see schedule of finals), do not take the class.
7. After three absences you may be dropped. However, **dropping the class is your responsibility.**
8. If you are expecting an "Emergency" call, or you are sleepy or tired, please do us all a favor, stay home. The classroom is not a bedroom nor a telephone booth..

## Assignments

You may collaborate with your classmates to solve homework problems. However, you must submit your own individual work and be able to explain your solutions, if asked by the instructor.

1. College Level quality of work is expected.
2. Messy work (Homework, Tests, Quizzes, final, etc.) will not be graded.
3. Homework is due at the beginning of the class on the due date.
4. Solution methods other than those presented in class are not acceptable.
5. Written work that does not conform to the standards below will receive partial or no credit, even if the answer is correct.



## Presentation Standards:

Written work is scanned. Therefore, it is imperative to follow the standards below, to the letter. If the machine can not read your name, your work will be rejected. Rejected work will receive a grade of zero (0). A sample will be shown in class.

1. Type your name, upper case lettering, on the top of the first page.
2. Use new 20 lb printer-paper and write/type on one side only.
3. If your answer is text only, your paper must be word-processed.
4. If you word-process your paper/report and you have equations in your text, use an equation editor. Do not use non-standard notation for exponents or other mathematical symbols. It is better to write equations clearly by hand, if you do not have an equation editor.
5. Use a sharp, 2H pencil so you can erase to make corrections when needed.
6. Use an appropriate grid for graphs, label the axes appropriately including key-values and units (per example shown in class)
7. Start each problem/question at the top of a new page.
8. Present the solution in a top-down fashion. (the answer should be the very last statement, in a box.)
9. Write/type using the equivalent of font: **Arial 12.**
10. Use one inch margins on both sides.
11. Round answers to two decimal places. If the number is less than one place a zero before the period (ex. 0.34)
12. Box the answer.
13. Staple all sheets together in ascending order of the assigned problems and do not fold.
14. No work will be accepted the last day of classes.

## Academic Integrity

De Anza College is committed to the highest standards of academic integrity and honesty. Students are urged to familiarize themselves with the provisions of the Code of Student Conduct (CSC). Dishonesty is unacceptable and **will not be tolerated**. If you are found cheating, looking at others' exams, plagiarizing or in collusion in dishonest activities, you will receive an "F" for that particular work and you may be dropped and/or reported to the Dean of Students for farther disciplinary action. You are expected to abide with the ideals of academic integrity and accept personal responsibility for your work. During exams, protect your work. Any infringement will disqualify **both** parties.

## Classroom Decorum

**Learning is your responsibility.** However, you are expected to abide by the institution's Code of Student Conduct. Engaging in behaviors that **distract or interrupt** the instructor's ability to teach or the students from learning will not be tolerated. Sanctions imposed on violators may vary from a 10-point deduction to being asked to leave the classroom or being dropped.



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The following is a partial list of unacceptable behaviors: *Ringling phones, entering or leaving the classroom at will, continued, willful, open and persistent defiance of the authority of the instructor, inordinate demands for time and attention, talking, eating, drinking, pandiculating, or sleeping in class.*

## Cell Phones, earphones, Laptops, tablets e.t.c.

There is no need for any of the above electronic instruments for the successful completion of this class, unless otherwise directed by the instructor or have documentation from the *Disability Resource Center* stipulating the use of a specific device. Consequently, all electronic instruments, especially cell phones, must be **turned off and out of sight during class**. Violators will be sanctioned, accordingly.

[https://www.youtube.com/embed/JHixeIr\\_6BM?rel=0&autoplay=1&iv\\_load\\_policy=3](https://www.youtube.com/embed/JHixeIr_6BM?rel=0&autoplay=1&iv_load_policy=3)

Using your **phone, computer, or tablet as calculator is not allowed**. Borrowing calculators, erasers, etc. from other students during tests/Quizzes is not allowed. You may borrow a calculator, for a limited time, from the Library.

## Communications: [krestasgeorge@fhda.edu](mailto:krestasgeorge@fhda.edu)

1. Due to lack of secretarial support, it may take up to 48 hrs for a response.
2. Do not call or email me asking for my notes or if I said anything "important!" The answer to both is "NO".
3. Test/Quiz/Homework solutions will be posted on the bulletin board outside S48.
4. I welcome suggestions about issues relating to the course.
5. For praise, derision or grumble see "Where to send ... mail" below.

## Contesting Grades

**DO NOT CONFUSE EFFORT WITH RESULTS.** Student earned points are NOT subject to negotiation. Additional credit will only be given in those cases where there is evidence of oversight. Explaining what you did wrong does not constitute oversight on the part of the grader.

1. Submit a word processed explanation (oral or emailed explanations will not be considered).
2. Staple it in the front of the graded item in question no later than the class session immediately following the one where the work was returned to you.
3. Contesting requests past the one session deadline will not be accepted.
4. Presenting other student's work, seemingly the same as yours, for which the other student received more credit than you did, will result in lowering the other student's score to match yours.



- No contests will be accepted at the last day of classes.

## Assessment Method

Weekly homework, maximum three tests, several unannounced quizzes given at any time during the class period, and a comprehensive final given at the time and day assigned by the College (see schedule of finals at see: <http://deanza.fhda.edu>).

- No make-ups will be given for any reason.
- The lowest (if more than two) test, quiz, homework will be dropped.
- The final is comprehensive.
- If you can not take the Final on the scheduled time (see Calendar or the De Anza website Finals Schedule), do not take the class.
- The examinations may contain T/F, M/C, and fill-in equations in addition or in lieu of solving problems. Therefore, have a SCANTRON on test days.
- All examinations are closed book and notes, except for an 8.5" x 11" sheet (both sides).
- If you leave the classroom during a test you will receive a zero (0) for it.
- On test days, you may be assigned a different seat.
- I keep finals for 21 days. Please make an appointment if you wish to review it.
- If you miss the final you will get an "F" in the course.**

## Scale

Homework .....	= 10 points
Tests .....	= 30 points
Quizzes .....	= 25 points
Final Exam .....	= 35 points
Instructor's personal evaluation of overall student performance and participation .....	= 5 points

90 points <	A-, A, A+ <	100 points
80 points <	B-, B, B+ <	89 points
70 points <	C-, C, C+ <	79 points
60 points <	D-, D, D+ <	69 points
0 points <	F <	59 points

*Note: The instructor reserves the right to make minor adjustments to the scale.  
Bonus points are totally on the discretion of the instructor.  
The instructor cannot guarantee a certain grade to anyone.*

Absence: -2 pts., Phone in sight: -2 pts., ringing phone: -5 pts., earphones: -5 pts.



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## Materials

Four sheets of SCANTRON 2052, calculator, pencil #2, eraser, ruler, and a batch of #20 lb white paper (printer paper).

## Sanctions

Sanctions may vary from an oral reprimand to a ten-point deduction or being asked to change seats, leave the classroom, see the PSME Dean before being allowed to re-enter the classroom, being dropped, and/or being reported to the Dean of Students for farther disciplinary action.

## Student Services

Click on the link <http://www.deanza.edu/student-services/> for information about financial aid, childcare, counseling, academic support, disability support, student activities and other services provided by the college.

*Note: Those needing accommodations based on the impact of a disability must contact the Disabled Students Services directly.*

## Office Hours

Office hours are intended for students to have a private discussion about their grades or for clarification on a *specific question* about a homework, or lecture-problem, *after* the student has attempted to solve the problem himself. Office hours are *not* intended as a *private tutorial session* or for working out assigned or not assigned homework problems.

## Restrictions

Due to the critical importance of the *Copyright* © of materials used and/or presented in class, you may not tape, photograph, or electronically record all or part of the lecture, tests, or quizzes. Violators will be sanctioned and /or may be dropped. And they will be held responsible for any copyright infringement caused by their failure to comply with this restriction.

## Roster

The roster will be circulated approximately every two weeks. If there is a discrepancy in your score, then you should follow the same process outlined in the "CONTESTING YOUR GRADES." No error will be recognized after one week or after the last day of classes.



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### *Tutoring*

The Student Success Center (S46) offers group and individual tutoring free of charge. If you need assistance, do not wait, sign up immediately.

### *Where to send Fan / Hate Mail:*

**See the appropriate tab in my website:** [profgvk.weebly.com](http://profgvk.weebly.com)

### *In Conclusion*

Despite the length and language of my greensheet, I am actually very supportive of students who are serious about their education. However, if the student in the above video remotely describes you, you might find me overbearing and obnoxious.



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### CALENDAR :

Week	Section	Homework	Homework Due Date: 12:00 Noon
1	Introduction 4.1	28, 106,112 116,118,120	9/28
2	4.2 4.3	14,22,32,60 24,36,68,76	10/5
3	4.4 <b>Test #1</b>	84,98,102,107	10/12
4	4.5 4.6	10,30,34,58 38,64,78,94	10/19
5	4.7 4.8	18,60,98,107 24,30,38,62	10/26
6	<b>Test #2</b> 5.1	70,88,108,118	11/2
7	5.2 5.3	40,50,64,70 44,60,74,90	11/9
8	5.4 5.5 <b>Test #3</b>	44,60,70,90 52,68,98,120	11/16
9	6.1 6.2 6.3 6.4	46,54,60 42,50,56 66,89,101 52,75,79	11/23
10	6.5	32,48,76,106	11/30
11	10.7 10.8	38,60,76	12/7
12	Review <b>Final: see Finals Schedule at Deanza.edu.</b>		

**Note<sup>1</sup>:** Although I only assign a few problems per week, I strongly recommend that you do at least ten problems from the end of each section.

**Note<sup>2</sup>:** Grading will be based on neatness and organization, as well as, on correctness

**Note<sup>3</sup>:** The Final will be given at the time and date defined by the College. See finals exam schedule at the De Anza website. Missing the Final will result in an "F" grade for the class.

**Note<sup>4</sup>:** The instructor reserves the right to revise the calendar as needed to covert the material.

